

ANDROPOGON GLOMERATUS VAR. GLAUCOPSIS
(POACEAE: ANDROPOGONEAE) DOCUMENTED
IN LOUISIANA

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ABSTRACT

Andropogon glomeratus (Walt.) B.S.P. var. *glaucopsis* (Elliott) Mohr is reported for Louisiana. A key to separate the Louisiana taxa in the *A. virginicus* complex is provided.

RESUMEN

Se cita *Andropogon glomeratus* (Walt.) B.S.P. var. *glaucopsis* (Elliott) Mohr de Louisiana. Se aporta una clave para separar los taxa del complejo *A. virginicus* en Louisiana.

The *Andropogon virginicus* complex comprises nine closely interrelated species (Campbell 1983). In Louisiana, the complex is represented by four of the nine species: *A. glomeratus* (Walt.) B.S.P., *A. gyrans* Ashe, *A. liebmannii* Hack, and *A. virginicus* L. The taxonomic difficulty of this complex is due to the strong similarity of its members, and the paucity and subtlety of the characters used to separate the taxa (Campbell 1983). A review of the literature reveals a difference of opinion in the recognition of the infraspecific taxa of the *A. virginicus* complex in Louisiana.

Campbell (1983) reported the following taxa as occurring in Louisiana: *Andropogon liebmannii* Hack. var. *pungensis* (Ashe) C.S. Campb., *A. glomeratus* (Walt.) B.S.P. var. *pumilus* (Vasey) Vasey ex L.H. Dewey, *A. gyrans* Ashe var. *gyrans* and var. *stenophyllus* (Hack.) C.S. Campb., and *A. virginicus* L. var. *virginicus* and var. *glaucus* Hack. Thomas and Allen (1993) reported *A. glomeratus* var. *glomeratus*, *A. gyrans* var. *gyrans*, *A. liebmannii* var. *pungensis*, and *A. virginicus* in Louisiana, and listed *A. glomeratus* (Walt.) B.S.P. var. *glaucopsis* (Elliott) Mohr as an undocumented sight record from St. Tammany Parish. Allen (1992) recognized *A. liebmannii*, *A. glomeratus*, *A. gyrans*, and *A. virginicus* as occurring in Louisiana, but did not recognize any infraspecific taxa.

Fieldwork in southeastern Louisiana has resulted in the collection of *Andropogon glomeratus* (Walt.) B.S.P. var. *glaucopsis* (Elliott) Mohr from St. Tammy Parish.

Andropogon glomeratus (Walt.) B.S.P. var. ***glaucopsis*** (Elliott) Mohr, Bull. Torrey

Bot. Club 24:21. 1897. [= *A. glaucus* Muhl., *A. capillipes* Nash, *Cympogon glaucua* Schult.] LOUISIANA. ST. TAMMANY PARISH: N of Bayou Paquet Road, 0.3 mi E of its intersection with Transmitter Road, along fire-line that follows refuge boundary W of dirt road, 26 Oct 2001, *Rosen & Jones 1664* (BRCH-Oregon, NO).

Keys to separate the taxa modified from Campbell (1983) and Allen (1992) follow. See Campbell (1983) for a list of representative specimens from Louisiana. The classification of taxa in the *Andropogon virginicus* complex provided here-with follows that of Campbell (2003).

KEY TO THE LOUISIANA TAXA IN THE *ANDROPOGON VIRGINICUS* COMPLEX

1. Racemes (2-)4-6(-13) terminating each peduncle; sheaths villous _____ **A. liebmannii**
var. **pungensis**
1. Racemes 2(-3) terminating each peduncle; sheaths glabrous to villous.
 2. Plants usually less than 1 m tall; leaves usually less than 3 mm wide; raceme sheaths inflated, usually more than 4.6 cm long _____ **A. gyrans**
 2. Plants larger, usually 1 m or more tall; leaves usually more than 3 mm wide; raceme sheaths usually less than 4.6 cm long.
 3. Blades usually more than 37 cm long; stem sheaths often scabrous; ligules usually more than 1 mm long (if less than 1 mm long the keels of the first glume often scabrous below the middle) _____ **A. glomeratus**
 3. Blades usually less than 31 cm long; stem sheaths smooth (rarely somewhat scabrous); ligules less than 1 mm long; keels of the first glume scabrous only above the middle _____ **A. virginicus**

KEY TO THE VARIETIES OF *ANDROPOGON GYRANS* IN LOUISIANA

1. Ligules usually less than 0.8 mm long; plants of well-drained sites _____ **A. gyrans** var. **gyrans**
1. Ligules (0.8-)1.1(-1.5) mm long; plants of wet sites _____ **A. gyrans** var. **stenophyllus**

KEY TO THE VARIETIES OF *ANDROPOGON GLOMERATUS* IN LOUISIANA

1. Leaves and culms conspicuously glaucous _____ **A. glomeratus** var. **glaucopsis**
1. Leaves and culms green.
 2. Keels of first glume scabrous below the middle; plants (0.2-)1.4(-2.5) m tall
_____ **A. glomeratus** var. **pumilus**
 2. Keels of first glume scabrous above the middle only; plants (0.6-)1.0(-1.6) m tall
_____ **A. glomeratus** var. **glomeratus** (expected in Louisiana)

KEY TO THE VARIETIES OF *ANDROPOGON VIRGINICUS* IN LOUISIANA

1. Leaves and culms conspicuously glaucous _____ **A. virginicus** var. **glaucus**
1. Leaves and culms green _____ **A. virginicus** var. **virginicus**

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